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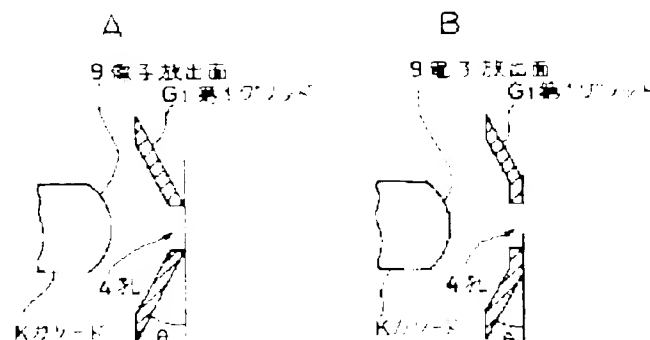
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APPLICANT : SONY CORP.

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TITLE : ELECTRON GUN FOR CATHODE-RAY TUBE



ABSTRACT : PURPOSE : To provide a cathode-ray tube which can control a beam spot to be small without causing the deterioration of the electron emission surface of a cathode.

CONSTITUTION: A first grid G₁ has a hole 4 for transmitting a beam on its top and is formed in the shape of a cone or a truncated cone. The electron emission surface 9 of a cathode K is so formed as to have an outer curved surface of a protruding part facing against the first grid G₁. The distance between the first grid G₁ and the electron emission surface 9 of the cathode K is so constituted as to be substantially equal.

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